AMENDMENTS TO THE CLAIMS

1.   (Currently amended) A method for updating a seed file to match a target file, said method comprising:

generating target file checking data for one or more blocks of said target file;

storing at least a portion of said target file checking data in a cache, wherein the cache is part of a non-volatile storage device;

receiving seed file checking data corresponding to one or more blocks of said seed file;

comparing said seed file checking data with said target file checking data to identify differences in blocks of said seed file and blocks of said target file; and

transmitting information for revising seed file blocks which are different from target file blocks such that said seed file blocks match said target file blocks.

2.   (Original) The method of claim 1, wherein said target file checking data and said seed file checking data each comprise weak level checking data and strong level checking data, and wherein said comparing comprises comparing said weak level checking data and next comparing strong level checking data only if a match is identified in said weak level checking data.

3.   (Original) The method of claim 1, wherein said target file checking data and said seed file checking data each comprise a 32-bit checksum and a 128-bit checksum.

4.   (Original) The method of claim 1, wherein said target file checking data and said seed file

checking data each comprise weak level checking data and strong level checking data, and wherein

said storing comprises storing said weak level checking data associated with said target file and

storing only said strong level checking data associated with said target file expected to match strong

level checking data associated with said seed file.

5.   (Original) The method of claim 1, wherein said target file checking data and said seed file

checking data each comprise a checksum.

6.   (Original) The method of claim 1, wherein said target file checking data stored in a cache are

used with multiple updating requests received from a plurality of clients.

7.   (Original) The method of claim 1, further comprising decompressing said target file prior to

said generating.

8.   (Original) The method of claim 1, wherein said seed file and said target file are

decompressed prior to said generating, wherein said seed file blocks are revised in accordance with

said transmitted information to match said target file blocks, and wherein said revised seed file

blocks are recompressed after revising.

9.   (Original) The method of claim 8, wherein said seed file comprises a compressed payload,

previously separated from a compound file, and wherein said revised seed file is appended to a

header file after said recompressing to constitute a revised compound file.

10.   (Original) The method of claim 9, wherein said compound file and said revised compound

file comport with an RPM Package Manager format.

11.   (Currently amended) A method for updating a seed file to match a target file, said method

comprising:

        generating seed file checking data for one or more blocks of said seed file;

        transmitting said seed file checking data for comparison against cached target file checking

data corresponding to one or more blocks of said target file to identify differences in blocks of said

seed file and blocks of said target file, wherein the cached target file checking data is cached in a

cache that is part of a non-volatile storage device; and

        receiving information for revising seed file blocks which are different from target file blocks

such that said seed file blocks match said target file blocks.

12.   (Original) The method of claim 11, further comprising:

        decompressing said seed file prior to said generating;

        revising said seed file blocks in accordance with said information to match said target file

blocks; and

        recompressing said revised seed file blocks.

13.   (Original) The method of claim 12, wherein said seed file comprises a compressed payload,

previously separated from a compound file, and wherein said revised seed file blocks are appended

to a header file after said recompressing to constitute a revised compound file.

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14.   (Original) The method of claim 13, wherein said compound file and said revised compound

file comport with an RPM Package Manager format.

15.   (Currently amended) A computer program product, residing on a computer-readable

medium, for use in updating a seed file to match a target file, said computer program product

comprising instructions for causing a computer to:

　　　generate target file checking data for one or more blocks of said target file;

　　　store at least a portion of said target file checking data in a cache, wherein the cache is part

of a non-volatile storage device;

　　　receive seed file checking data corresponding to one or more blocks of said seed file;

　　　compare said seed file checking data with said target file checking data to identify

differences in blocks of said seed file and blocks of said target file; and

　　　transmit information for revising seed file blocks which are different from target file blocks

such that said seed file blocks match said target file blocks.

16.   (Original) The computer program product of claim 15, wherein said target file checking data

and said seed file checking data each comprise weak level checking data and strong level checking

data, and wherein said computer program product further comprises instructions for causing said

computer to compare said weak level checking data and to compare said strong level checking data

only if a match is identified in said weak level checking data.

17.   (Original) The computer program product of claim 15, wherein said target file checking data

and said seed file checking data each comprise weak level checking data and strong level checking

data, and wherein said computer program product further comprises instructions for causing said

computer to store said weak level checking data associated with said target file and to store only

said strong level checking data associated with said target file expected to match strong level

checking data associated with said seed file.

18.   (Original) The computer program product of claim 15, wherein said target file checking data

and said seed file checking data each comprise a checksum.

19.   (Currently amended) A computer program product, residing on a computer-readable

medium, for use in updating a seed file to match a target file, said computer program product

comprising instructions for causing a computer to:

    generate seed file checking data for one or more blocks of said seed file;

    transmit said seed file checking data for comparison against cached target file checking data

corresponding to one or more blocks of said target file to identify differences in blocks of said seed

file and blocks of said target file, wherein the cached target file checking data is cached in a cache

that is part of a non-volatile storage device; and

    receive information for revising seed file blocks which are different from target file blocks

such that said seed file blocks match said target file blocks.

20.   (Currently amended) A system for updating a seed file to match a target file, said system

comprising:

means for generating target file checking data for one or more blocks of said target file;

means for storing at least a portion of said target file checking data in a cache, wherein the

cache is part of a non-volatile storage device;

means for receiving seed file checking data corresponding to one or more blocks of said seed

file;

means for comparing said seed file checking data with said target file checking data to

identify differences in blocks of said seed file and blocks of said target file; and

means for transmitting information for revising seed file blocks which are different from

target file blocks such that said seed file blocks match said target file blocks.